Product Specification Sheet

BuzziBell 230V
— By Chris Hardy

Acoustical lighting solution

Stretching the BuzziFelt to its limits, BuzziBell is recognized by the harmonious curve of its bell-shape. Its design adds softness to a room with the textural look of felt and a delicate, diffused light source or high performance LED engine. BuzziBell is offered in the 10 BuzziFelt colors, has a metal feature and will be CE and UL listed. BuzziBell makes a statement in offices, restaurants, hotels, institutions and residences.
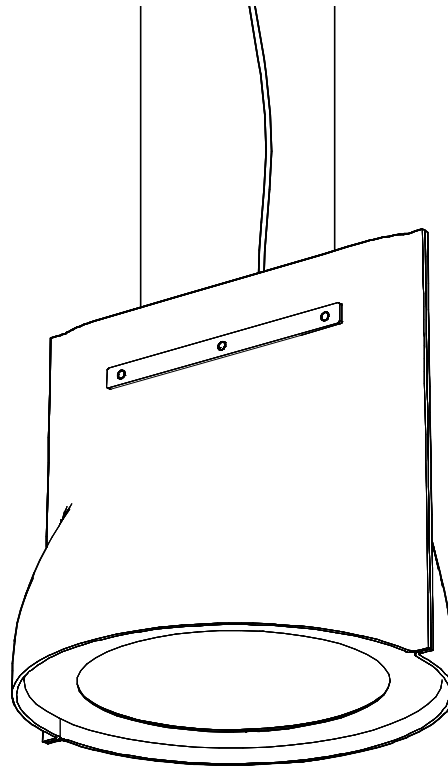
The Family

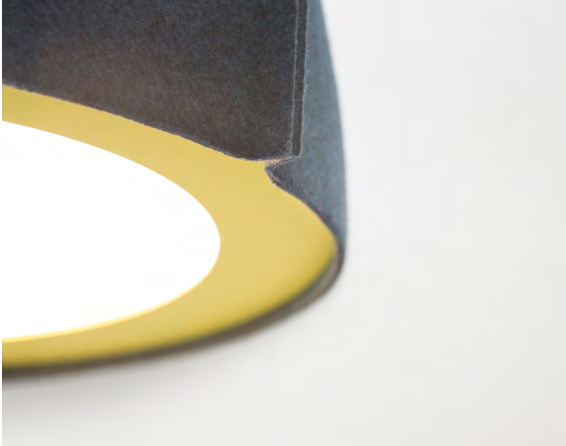**Lighting Unit**

LED Disk Ø 470

Required order information
1. BuzziFelt Color
2. Color Frame

Lighting Data

Lighting Unit

LED Disk Ø 470

The Milky PMMA diffusor (UGR 22) ensures an optimal light spread and efficiency. It creates a very diffuse light surface without any dottiness. The light source of the BuzziBell is a LED PCB, containing 36 low power LED's.

On Request: UGR 19
To achieve a UGR 19, the product is fitted with a Prismatic diffuser instead of a milky diffuser. LED dots will be visible.

Lighting specifications

BuzziBell

Lighting Unit	Voltage	Wattage	Light Output Luminaire	Efficacy (Lm/W)	CRI	Dimming	Color Temperature	UGR	Standard (stock) On request (>LT)	Color Power Cable	Color Ceiling Canopy	Color Metal Frame	Fabric Collection	Fabric Color	Mounting Option
LED Disk Ø 470	230V	29W	2545 Lm	88	90	1-10V	3000K	22	Standard	Transparant	White				
LED Disk Ø 470	230V	29W	2545 Lm	88	90	1-10V	3000K	19*	On Request	Transparant	White	Black (RAL 9005) White (RAL 9010) or Fluo Yellow (RAL 1016)	Use color codes below	Use color codes below**	2 cables of 2 m black 2 cables of 2 m alu 2 cables of 4 m black 2 cables of 4 m alu
LED Disk Ø 470	230V	29W	2545 Lm	88	90	1-10V	4000K	22	On Request	Transparant	White				
LED Disk Ø 470	230V	29W	2545 Lm	88	90	DALI	4000K	22	On Request	Transparant	White				
LED Disk Ø 470	230V	29W	2545 Lm	88	90	DALI	3000K	22	On Request	Transparant	White				

* To achieve a UGR 19, the product is fitted with a Prismatic diffusor instead of a milky diffusor. LED dots will be visible.
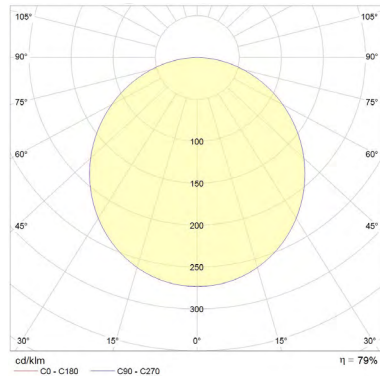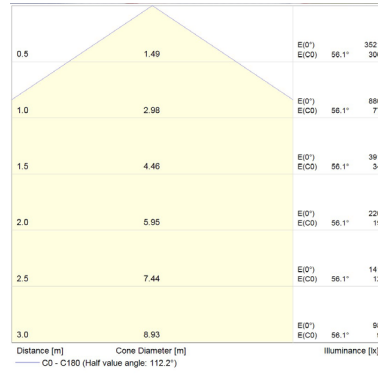** Not possible in BuzziFelt EcoBrown and Pink.

CE CB

Photometric Data

BuzziBell LED Disk Ø 470
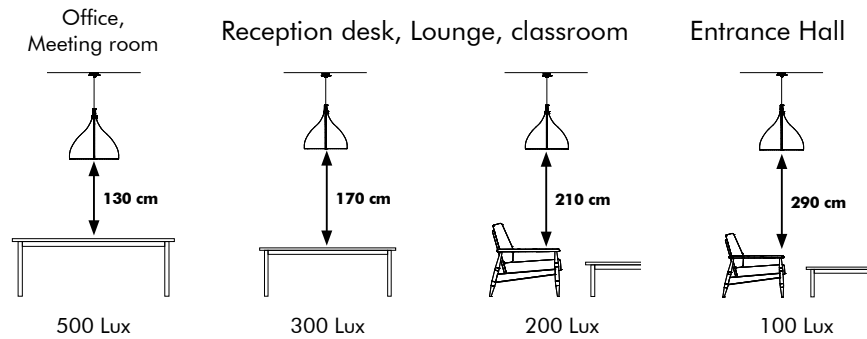
LED Disk Ø 470 Cartesian diagram

LED Disk Ø 470 Polar curve

Distance [m]	Cone Diameter [m]	Illuminance [lx]		
0.5	1.49	E(0°)		3521
		E(C0)	56.1°	306
1.0	2.98	E(0°)		880
		E(C0)	56.1°	77
1.5	4.46	E(0°)		391
		E(C0)	56.1°	34
2.0	5.95	E(0°)		220
		E(C0)	56.1°	19
2.5	7.44	E(0°)		141
		E(C0)	56.1°	12
3.0	8.93	E(0°)		98
		E(C0)	56.1°	9

cd/klm   η = 79%
C0 - C180   C90 - C270

C0 - C180 (Half value angle: 112.2°)

Tips and Tricks - Light Options

To enlight your workplace with optimal lux levels take following measurements into account:
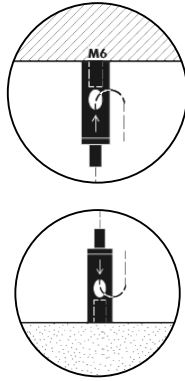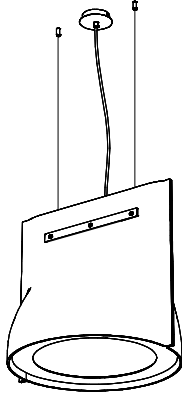
BuzziBell LED Disk Ø 470

Office, Meeting room

Reception desk, Lounge, classroom

Entrance Hall

130 cm

170 cm

210 cm

290 cm

500 Lux

300 Lux

200 Lux

100 Lux

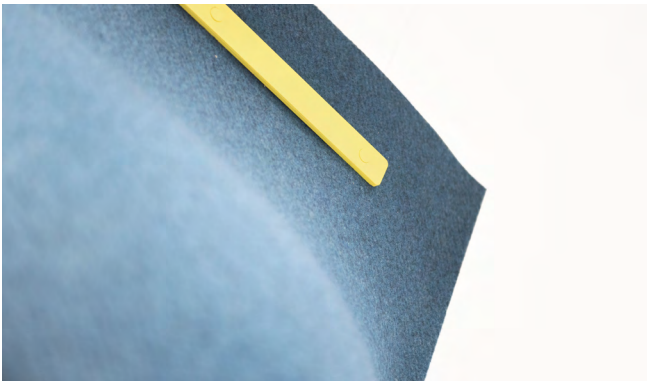* According to EN12464

Product Data

Fixing System

Fixing System BuzziBell

BuzziBell is suspended on 2 cables of 2 or 4 m black or alu colored cables, with fixing system screw.

⚠ If installing on suspended ceiling, verify load capacity prior to installation.

Acoustic Shade

The acoustic shade consists of one layer of thermoformed BuzziFelt.

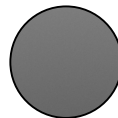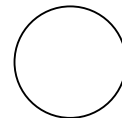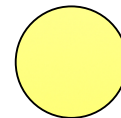Absorption   Diffusion

Mid tone   High Tone

Metal Frame

The powder coated metal frame is available in 3 colors:

Black   White   Fluo Yellow
(RAL 9005)   (RAL 9010)   (RAL 1016)

Acoustics

BuzziBell
Equivalent sound absorption area in m² per object
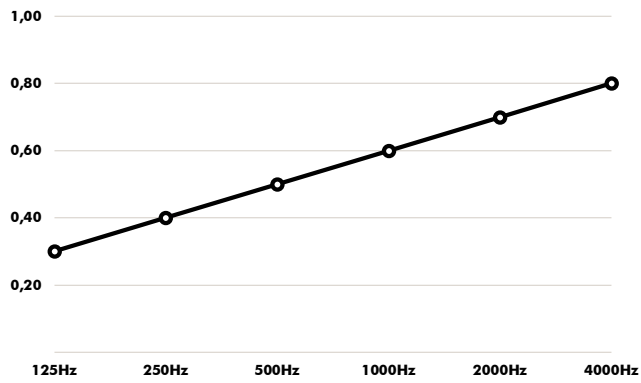
Hz	Aeq/m²
125	0,3
250	0,4
500	0,5
1000	0,6
2000	0,7
4000	0,8

Dimensions

BuzziBell

35 cm

9 cm

200 cm – 400 cm
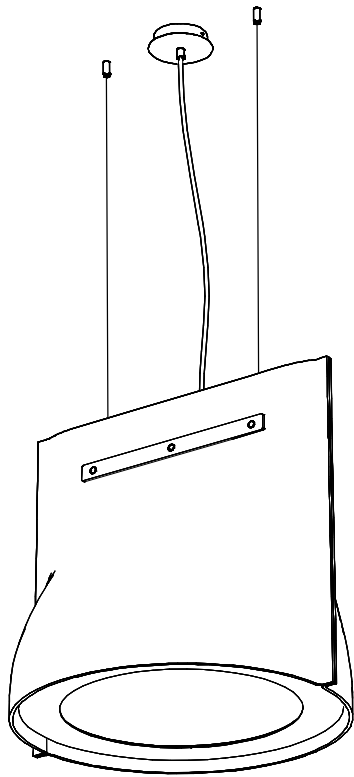
60 cm

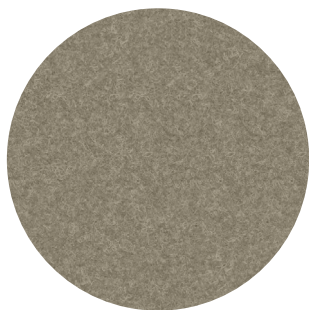Ø 60 cm
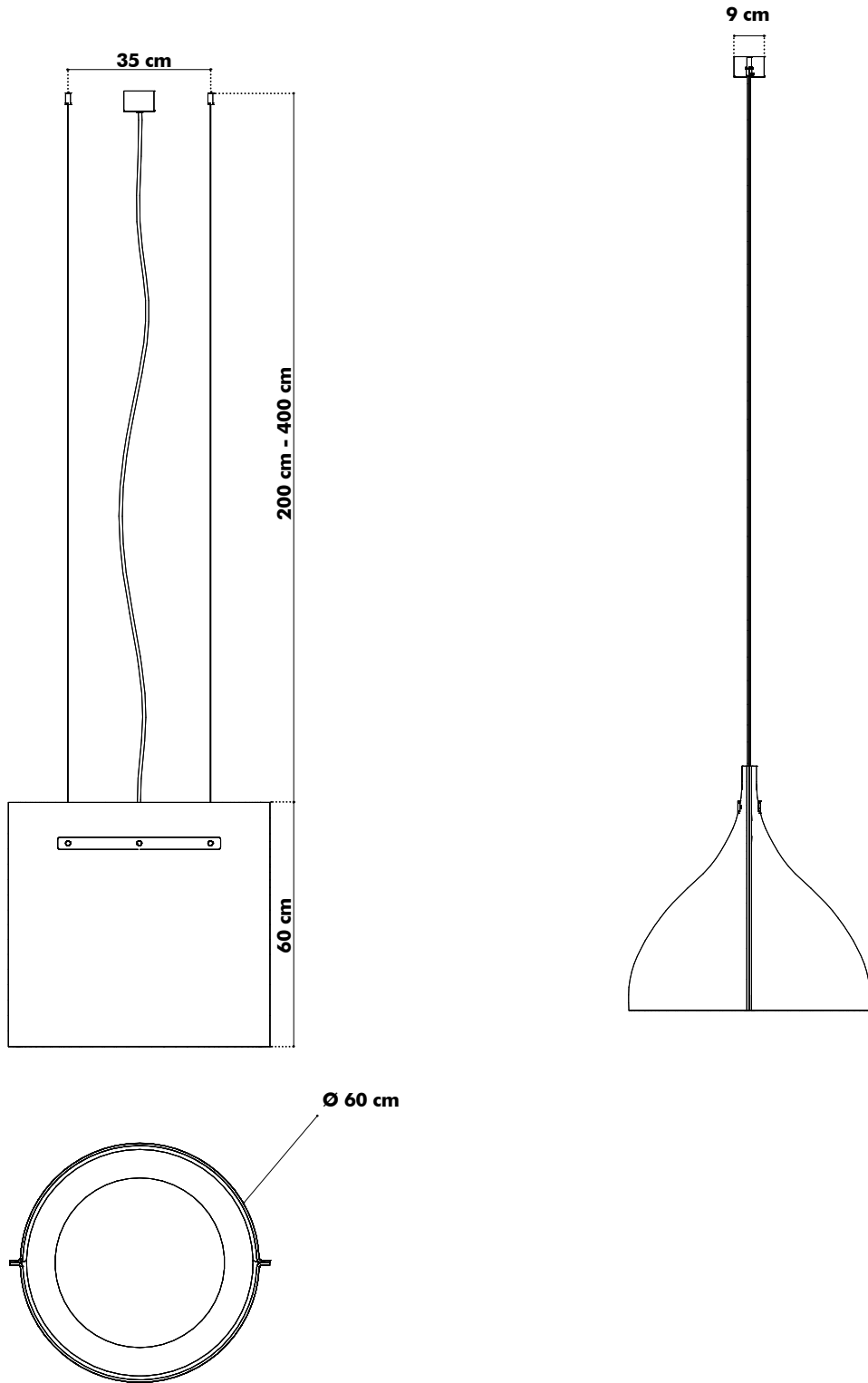
Weights

BuzziBell

⚖ 11 kg

Fabrics

Felt*

Composition 100% Recycled P.E.T. Felt, latex backing
Weight 1.000 g/m2 | 29.49 oz/yd2
Abrasion resistance >7.000 Martindale
Flammability EU: EN 13501.1 + A1/2009 Class B-s1,d0
                        USA: ASTM E84 Class A certified
Fastness to light USA 5

* Due to the process of thermoforming colors may vary slightly.
  Not available in EcoBrown or Pink.